

## 03040205-140

### (Black River)

#### General Description

Watershed 03040205-140 is located in Williamsburg County and consists primarily of the **Black River** and its tributaries from the Kingtree Swamp Canal to an unnamed tributary near the S.C. Hwy. 30 crossing. The watershed occupies 134,011 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Goldsboro-Lynchburg-Hobcaw-Emporia series. The erodibility of the soil (K) averages 0.20; the slope of the terrain averages 2%, with a range of 0-6%. Land use/land cover in the watershed includes: 40.1% forested land, 28.7% agricultural land, 16.8% scrub/shrub land, 14.0% forested wetland (swamp), 0.2% nonforested wetland (marsh), 0.1% urban land, and 0.1% water.

This section of the Black River accepts drainage from its upper reaches and Laws Swamp. Rocky Ford Swamp (Chaney Swamp) and Dickey Swamp (Mulberry Branch, Bennett Swamp, Mill Branch, Pushing Branch, Shanty Branch) join to form Laws Swamp, which flows into the river downstream of the Kingtree Swamp Canal. Further downstream, the river accepts drainage from Thorntree Swamp, Stony Run Branch, Boggy Swamp, McElroy Branch, Camden Swamp, and Ox Swamp (Gumtree Branch). There are 108.4 stream miles and a few ponds and lakes (totaling 114.1 acres) in this watershed. The Black River is classified FW\* (Dissolved oxygen not less than 4.0 mg/l and pH between 5.0 and 8.0) and the remaining streams are classified FW.

#### Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-044	S	FW*	BLACK RIVER AT US 52 AT KINGSTREE
PD-045	S	FW*	BLACK RIVER AT SC 377 AT BRYAN'S CROSS ROADS
(PD-359)	W	FW*	BLACK RIVER AT S-45-30

**Black River** - There are two monitoring sites along this section of the Black River. At the upstream site (**PD-044**), aquatic life uses are fully supported. Recreational uses are partially supported due to fecal coliform bacteria excursions, compounded by a significant increasing trend in fecal coliform bacteria concentration. At the downstream site (**PD-045**), aquatic life uses are fully supported; however, there is a significant increasing trend in turbidity. There is a significant increasing trend in pH. Recreational uses are fully supported.

Station **PD-359** is physically located in the Black River watershed 03040205-150, but also reflects the influence from this watershed drainage. Aquatic life and recreational uses are fully supported at PD-359.

*A fish consumption advisory has been issued by the Department for mercury and includes the Black River within this watershed (see advisory p. 73).*

## NPDES Program

### Active NPDES Facilities

#### RECEIVING STREAM

#### FACILITY NAME

#### PERMITTED FLOW @ PIPE (MGD)

#### COMMENT

#### NPDES#

#### TYPE

#### LIMITATION

BLACK RIVER  
MILLIKEN & CO./KINGSTREE MILL  
PIPE #: 001 FLOW: 0.373  
WQL FOR DO,TRC,NH3N,BOD5

SC0023493  
MINOR INDUSTRIAL  
WATER QUALITY

BLACK RIVER  
TOWN OF KINGSTREE  
PIPE #: 001 FLOW: 2.15  
WQL FOR DO,TRC,NH3N,BOD5

SC0035971  
MAJOR DOMESTIC  
WATER QUALITY

## Nonpoint Source Management Program

### Land Disposal Activities

#### Landfill Facilities

#### LANDFILL NAME

#### FACILITY TYPE

#### PERMIT #

#### STATUS

WILLIAMSBURG COUNTY LANDFILL #2  
MUNICIPAL

DWP-133  
CLOSED

WILLIAMSBURG CO. INDUSTRIAL LANDFILL #2  
MUNICIPAL

IWP-153  
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WILLIAMSBURG COUNTY LANDFILL  
MUNICIPAL

451001-1101  
ACTIVE

WILLIAMSBURG COUNTY C&D LANDFILL  
CONSTRUCTION

451001-1201  
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WILLIAMSBURG COUNTY SHREDDER  
MUNICIPAL SHREDDER SITE

DWP-055  
CLOSED

TOWN OF KINGSTREE DUMP#1  
MUNICIPAL

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CLOSED

TOWN OF KINGSTREE DUMP #2  
MUNICIPAL

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CLOSED

## Growth Potential

There is a low to moderate potential for growth in this watershed, which contains the Town of Lane and portions of the Towns of Kingstree and Greeleyville. Water infrastructure is located in and around all three towns, but sewerage infrastructure is located only in and around the Kingstree area. Outside of the towns, the area is predominately rural with mostly agricultural and timberland uses.